Author Index

Alkorta, F., see Amárita, F. 153

Amárita, F.

-, Fernández, C.R. and Alkorta, F.

Hybrid biosensors to estimate lactose in milk 153

Antonov, L.

Fourth derivative spectroscopy - a critical view 295

Aoki, T.

-, Fukuda, S., Hosoi, Y. and Mukai, H.

Rapid flow injection analysis method for successive determination of ammonia, nitrite, and nitrate in water by gas-phase chemiluminescence 11

Ashraf-Khorassani, M., see Barzegar, M. 245

Baasner, J., see Guo, T. 313

Balcerzak, M.

- and Święcicka, E.

Rapid simultaneous determination of ruthenium and osmium in aqueous solutions of their tetroxides by second-order derivative spectrophotometry 53

Barek, J., see Zanoni, M.V.B. 101

Barrio, R.J., see de Erenchun, N.R. 199

Barzegar, M.

-, Daneshfar, A. and Ashraf-Khorassani, M.

Effect of parameters on supercritical fluid extraction of nitropolynuclear aromatic hydrocarbons from sand 245

Bermejo-Barrera, A., see Bermejo-Barrera, P. 319

Bermejo-Barrera, P.

—, Moreda-Piñeiro, A., Moreda-Piñeiro, J. and Bermejo-Barrera, A.

Determination of nickel in human scalp hair by slurry sampling – electrothermal atomic absorption spectrometry 319

Berzas, J.J.

-, Rodríguez, J. and Castañeda, G.

Partial least squares method in the analysis by square wave voltammetry. Simultaneous determination of sulphamethoxypyridazine and trimethoprim 303

Bitterwolf, T.E., see Brauer, R.D. 239

Bosch, E.

-, Fonrodona, G., Ràfols, C. and Rosés, M.

Autoprotolysis in aqueous organic solvent mixtures. Water/dipolar protophilic solvent binary systems 367

Brainina, Kh.Z.

-, Ivanova, A.V. and Malakhova, N.A.

Disposable thick film modified graphite electrodes for stripping voltammetry 85

Brajter-Toth, A., see Hsueh, C.C. 67

Brauer, R.D.

—, Bitterwolf, T.E., Smart, N.G., Burford, M.D. and Wai, C.M. Prediction of retention behavior of ferrocene derivatives in supercritical fluid chromatography 239

Bravo, R., see Hsueh, C.C. 67

Brinkman, U.A.Th., see Somsen, G.W. 189

Brown, C.W., see Lin, J. 263

Burford, M.D., see Brauer, R.D. 239

Burns, D.T.

-, Lewis, R.J. and Doolan, K.

Identification of laurylamine acetate in water gel explosives by electrospray/mass spectrometry 333

Buttler, T., see Tessema, M. 179

Cai, X., see Wang, J. 77

Carreto, M.L.

-, Lunar, L., Rubio, S. and Pérez-Bendito, D.

Simultaneous spectrophotometric determination of chlorpromazine, perphenazine and acetopromazine by use of the kinetic wavelength pair-method 33

Castañeda, G., see Berzas, J.J. 303

Chan, W.H.

- and Xie, T.Y.

Determination of sub-ppbv levels of formaldehyde in ambient air using Girard's reagent T-coated glass fiber filters and adsorption voltammetry 349

Chen, C.H., see Wong, J.L. 121

Chen, H.-Y., see Xu, D.-K. 215

Chiba, K., see Umemura, T. 231

Coulter, S.K., see Somsen, G.W. 189

Csöregi, E., see Tessema, M. 179

da Silva, J.C.G.E.

-, Machado, A.A.S.C. and Oliveira, C.J.S.

Study of the interaction of Al(III) with a soil fulvic acid in the acid pH range by self-modeling mixture analysis of synchronous fluorescence spectral data 23

Daneshfar, A., see Barzegar, M. 245

de Balugera, Z.G., see de Erenchun, N.R. 199

de Erenchun, N.R.

-, de Balugera, Z.G., Goicolea, M.A. and Barrio, R.J.

Determination of imidacloprid and its major metabolite in soils by liquid chromatography with pulsed reductive amperometric detection 199 do Carmo Hespanhol da Silva, M.

- and Pasquini, C.

Determination of gaseous species by monosegmented flow systems. Volumetric determination of oxygen and carbon dioxide 377

Doolan, K., see Burns, D.T. 333

Downard, A.J.

-, Powell, K.J. and Money, S.D.

Speciation determination of aluminium (Al³⁺) by flow injection amperometry via the 1,2-dihydroxyanthraquinone-3-sulfonic acid complex 111

Farry, L.

-, Oxspring, D.A., Smyth, W.F. and Marchant, R.

A study of the effects of injection mode, on-capillary stacking and off-line concentration on the capillary electrophoresis limits of detection for four structural types of industrial dyes 221

Fernández, C.R., see Amárita, F. 153

Fernandes, J.R., see Wang, J. 77

Fogg, A.G., see Zanoni, M.V.B. 101

Fonrodona, G., see Bosch, E. 367

Fujiwara, T.

-, Kurahashi, K. and Kumamaru, T.

Coupling of membrane-immobilized enzyme reaction and heteropoly acid-luminol chemiluminescence reaction for the determination of adenosine-5'-triphosphate 159

Fukuda, S., see Aoki, T. 11

Gerlache, M.

-, Sentürk, Z., Viré, J.C. and Kauffmann, J.M.

Potentiometric analysis of ionic surfactants by a new type of ion-selective electrode 59

Goicolea, M.A., see de Erenchun, N.R. 199

Gooding, J.J.

-, Hall, C.E. and Hall, E.A.H.

Physical study of film-forming acrylate emulsion polymers for biosensor applications 131

Gooijer, C., see Somsen, G.W. 189

Gorton, L., see Tessema, M. 179

Grant, D.H., see Wang, J. 77

Guo, T.

-, Baasner, J. and Tsalev, D.L.

Fast automated determination of toxicologically relevant arsenic in urine by flow injection-hydride generation atomic absorption spectrometry 313

Härtl, A., see Mrestani, Y. 207

Hall, C.E., see Gooding, J.J. 131

Hall, E.A.H., see Gooding, J.J. 131

Haraguchi, H., see Umemura, T. 231

He, X.-W., see Xing, W.-L. 283

Heikka, R.A.

—, Immonen, K.T., Minkkinen, P.O., Paatero, E.Y.O. and Salmi, T.O.

Determination of acid value, hydroxyl value and water content in reactions between dicarboxylic acids and diols using nearinfrared spectroscopy and non-linear partial least squares regression 287 Henze, G., see Sander, S. 93

Hosoi, Y., see Aoki, T. 11

Hsueh, C.C.

-, Bravo, R., Jaramillo, A.J. and Brajter-Toth, A.

Surface and kinetic enhancement of selectivity and sensitivity in analysis with fast scan voltammetry at scan rates above 1000 V/s 67

Huang, X.-M., see Zhu, M. 165

Immonen, K.T., see Heikka, R.A. 287

Itoh, A., see Umemura, T. 231

Ivanova, A.V., see Brainina, Kh.Z. 85

Jaramillo, A.J., see Hsueh, C.C. 67

Jianzhong, L.

-, Shoulian, W., Yunbao, J. and Jingou, X.

Study and application of a novel probe using twisted intramolecular charge transfer fluorescence 17

Jingou, X., see Jianzhong, L. 17

Kamiya, S., see Umemura, T. 231

Kauffmann, J.M., see Gerlache, M. 59

Ketola R A

-, Ojala, M., Sorsa, H., Kotiaho, T. and Kostiainen, R.K.

Development of a membrane inlet mass spectrometric method for analysis of air samples 359

Kostiainen, R.K., see Ketola, R.A. 359

Kotiaho, T., see Ketola, R.A. 359

Kulmala, S., see Mãtãchescu, C. 1

Kumamaru, T., see Fujiwara, T. 159

Kurahashi, K., see Fujiwara, T. 159

Laine, E., see Mãtāchescu, C. 1

Larsson, T., see Tessema, M. 179

Le Botlan, D.J.

- and Ouguerram, L.

Spin-spin relaxation time determination of intermediate states in heterogeneous products from free induction decay NMR signals 339

Lewis, R.J., see Burns, D.T. 333

Lin, H., see Xu, D.-K. 215

Lin, J.

-, Lo, S.-C. and Brown, C.W.

Calibration transfer from a scanning near-IR spectrophotometer to a FT-near-IR spectrophotometer 263

Lindquist, S.-E., see Tessema, M. 179

Lo, S.-C., see Lin, J. 263

Lunar, L., see Carreto, M.L. 33

Mãtãchescu, C.

-, Kulmala, S., Laine, E. and Raerinne, P.

Luminol-specific extrinsic lyoluminescence of X-ray irradiated sodium chloride 1

Machado, A.A.S.C., see da Silva, J.C.G.E. 23

Malakhova, N.A., see Brainina, Kh.Z. 85

Marchant, R., see Farry, L. 221

Massart, D.L., see Verdú-Andrés, J. 271

Massart, D.L., see Wu, W. 253

Author Index 387

Menardo, C., see Verdú-Andrés, J. 271 Minkkinen, P.O., see Heikka, R.A. 287 Money, S.D., see Downard, A.J. 111 Moreda-Piñeiro, A., see Bermejo-Barrera, P. 319

Moreda-Piñeiro, J., see Bermejo-Barrera, P. 319

Moreda-Piñeiro, J., see Bermejo-Barrera, P. 31 Mrestani, Y.

—, Neubert, R.H.H., Härtl, A. and Wohlrab, J. Determination of cephalosporins in urine and bile by capillary zone electrophoresis 207

Mukai, H., see Aoki, T. 11

Neubert, R.H.H., see Mrestani, Y. 207 Nie, L.-h., see Su, X.-l. 143 Nordling, M., see Tessema, M. 179

Ojala, M., see Ketola, R.A. 359 Oliveira, C.J.S., see da Silva, J.C.G.E. 23 Ouguerram, L., see Le Botlan, D.J. 339 Oxspring, D.A., see Farry, L. 221 Ozsoz, M., see Wang, J. 77

Paatero, E.Y.O., see Heikka, R.A. 287 Palet, C., see Rosell, A. 171

Pasquini, C., see do Carmo Hespanhol da Silva, M. 377

Pérez-Bendito, D., see Carreto, M.L. 33

Pettersson, G., see Tessema, M. 179

Piippanen, T.

-, Rautiainen, J. and Tummavuori, J.

Determination of copper, iron, molybdenum and silicon in hydrometallurgically roasted molybdenite concentrate solution by inductively coupled plasma atomic emission spectrometry 327

Powell, K.J., see Downard, A.J. 111

Qian, J., see Wong, J.L. 121

Raerinne, P., see Mãtāchescu, C. 1 Ràfols, C., see Bosch, E. 367 Rautiainen, J., see Piippanen, T. 327 Rodríguez, J., see Berzas, J.J. 303 Rosés, M., see Bosch, E. 367

Rosell, A.

-, Palet, C. and Valiente, M.

Selective separation and concentration of vanadium(V) by a chemical pumping hollow-fiber supported liquid membrane 171

Rubio, S., see Carreto, M.L. 33

Ruzgas, T., see Tessema, M. 179

Salmi, T.O., see Heikka, R.A. 287 Sander, S.

-, Wagner, W. and Henze, G.

Possibilities for the automated determination of trace concentrations of uranium in water samples by adsorptive stripping voltammetry 93

Sentürk, Z., see Gerlache, M. 59 Shen, H.-X., see Zhu, M. 165 Shoulian, W., see Jianzhong, L. 17 Smart, N.G., see Brauer, R.D. 239 Smyth, W.F., see Farry, L. 221 Somsen, G.W.

--, Coulter, S.K., Gooijer, C., Velthorst, N.H. and Brinkman, U.A.Th.

Coupling of column liquid chromatography and surfaceenhanced resonance Raman spectroscopy via a thin-layer chromatographic plate 189

Sorsa, H., see Ketola, R.A. 359 Sterna, C., see Verdú-Andrés, J. 271 Su, X.-l.

-, Nie, L.-h. and Yao, S.-z.

A novel gas-diffusion/flow-injection system coupled with a bulk acoustic wave impedance sensor for total inorganic carbonate and its application to determination of total inorganic and total organic carbon in waters 143

Święcicka, E., see Balcerzak, M. 53

Tessema, M.

—, Larsson, T., Buttler, T., Csöregi, E., Ruzgas, T., Nordling, M., Lindquist, S.-E., Pettersson, G. and Gorton, L. Simultaneous amperometric determination of some mono-, di-,

and oligosaccharides in flow injection and liquid chromatography using two working enzyme electrodes with different selectivity 179

Tian, B., see Wang, J. 77

Tomiyasu, T.

Kinetic-mechanistic study of the chlorpromazine-hydrogen peroxide reaction catalyzed by molybdenum(VI) and tungsten(VI), and their differential determination 43

Tsalev, D.L., see Guo, T. 313

Tummavuori, J., see Piippanen, T. 327

Umemura, T.

—, Kamiya, S., Itoh, A., Chiba, K. and Haraguchi, H. Evaluation of sulfobetaine-type zwitterionic stationary phases for ion chromatographic separation using water as a mobile phase 231

Valiente, M., see Rosell, A. 171 Velthorst, N.H., see Somsen, G.W. 189 Verdú-Andrés, J.

—, Massart, D.L., Menardo, C. and Sterna, C. Correction of non-linearities in spectroscopic multivariate calibration by using transformed original variables and PLS regression 271

Viré, J.C., see Gerlache, M. 59

Wagner, W., see Sander, S. 93 Wai, C.M., see Brauer, R.D. 239 Wang, J.

—, Grant, D.H., Ozsoz, M., Cai, X., Tian, B. and Fernandes J.R. Adsorptive potentiometric stripping analysis of nucleic acids at mercury electrodes 77

Wohlrab, J., see Mrestani, Y. 207

Wong, J.L.

-, Qian, J. and Chen, C.H.

Nickel speciation of fly ash by phase extraction 121

Wu, W.

- and Massart, D.L.

Regularised nearest neighbour classification method for pattern recognition of near infrared spectra 253

Xie, T.Y., see Chan, W.H. 349

Xing, W.-L.

- and He, X.-W.

Prediction of the selectivity coefficients of a berberine selective electrode using artificial neural networks 283

Xu, D.-K.

-, Lin, H. and Chen, H.-Y.

Amperometric detection of enzymes in capillary zone electrophoresis based on dynamic modification with surfactants 215 Yao, S.-z., see Su, X.-l. 143 Yunbao, J., see Jianzhong, L. 17

Zanoni, M.V.B.

-, Fogg, A.G., Barek, J. and Zima, J.

Electrochemical investigations of reactive dyes; cathodic stripping voltammetric determination of anthraquinone-based chlorotriazine dyes at a hanging mercury drop electrode 101

Zhu, M.

-, Huang, X.-M. and Shen, H.-X.

Microbial enzymatic assay of glucose in serum 165

Zima, J., see Zanoni, M.V.B. 101

